INDEX TO VOL. XXIII.

Stated Meetings Held.

	Page.
1885, August 21	152
September 18	153
October 2	154
October 16	157
November 6	313
November 20	315
December 4	319
December 18	321
1886, January 1	324
January 15	326
February 5	330
February 19	333
1886, March 5	335
March 19	446
April 2	448
April 19	451
May 7	452
May 21	454
September 3	535
October 1	541
October 15	544
November 5	569
November 19	571
December 3	611

New Members Elected.

October 16, 1885.

William John Potts	160
Scheele de Vere	160
Edwin North	160
W. G. A. Bonwill	160
Thomas M. Cleemann	160
Horace Jayne	160
Hermann Rollett	160
Tommasso Cannizzaro	160
Everard F. im Thurn	160
John Pomialowsky	160
Ernest Hæckel	160
Josef von Lenhossek	160
Louis Pasteur	160
Giuseppe Sergi	160
Leopold von Ranke	160

February 19, 1886.

Edward Pepper	334
Serge Nikotin	334
A. B. Wyckoff	334
J. B. Murdock	334
Louis Duncan	334
George B. Anderson	334
Hermann A. Hagen	334
F. A. Genth, Jr	334
James W. Holland	334
John H. Brinton	334
Inman Horner	334
J. Minis Hays	334
Charles A. Oliver	334

May 21, 1886.

Samuel W. Pennypacker, Philadelphia	456
John T. Napier, "	456
William Spohn Baker, "	456
Benjamin Sharp, "	456
Henry Reed, "	456
John Marshall, " "	457
Merrill Edwards Gates, New Brunswick, N. J.	457
William K. Brooks, Baltimore, Md	457
Herbert B. Adams, " "	457
R. Somers Hays, St. Louis, Mo	457
John C. Branner, Bloomington, Ind	457
Abel Hovelacque, Paris, France	457
Emil Levasseur, " "	457
Victor Duruy, " "	457
Marquis De Nadaillac, Paris, France	457
Francis Pulzsky, Buda Pesth	457
Otto Donner, Helsingfors	457
Angelo De Gubernatis, Florence, Italy	457
Paul Albrecht, Bruxelles	457
Josef Szombathy, Vienna	457
Dr. Dionysius Stuer, "	457
Dr. Edward Suess, "	457
Aristides Brezina, "	457
W. W Skeat, Cambridge, England	457
J. P. Postgate, " "	457
Richard C. Temple, Ambala, India	457
Lord Rayleigh, London	457
William Crookes "	457
Francis Galton, "	457
Duke of Argyll, "	457
Jesus Sanchez, Mexico	457
Antonio Peñafiel, "	457

Decease of Members.

	Page.		Page.
Emile Malezieux	156	Samuel Birch	325
H. Milne-Edwards	156	J. B. Lippincott	329
J. J. A. Worsaae	156	Austin Flint	447
George L. Harrison	156	John Welsh	452
James McFarland	159	Dillwyn Parrish	544
Thomas Davidson	314	James R. Ludlow	544
Wm. B. Carpenter	317	John S. Haines	570
Albert H. Smith	322	Charles F. Adams	612
Henry S. Hagert	322		

Resignation of Members.

Joseph Lesley 156

Written Communications.

ALLEN, HARRISON.

An Obituary notice of Albert H. Smith, M.D. 606

BRANNER, JOHN C.

The Glaciation of Parts of the Wyoming and Lackawanna Valleys 337

BRINTON, DANIEL G.

On Polysynthesis and Incorporation as Characteristics of American Languages . 48

Notes on the Mangue; an Extinct Dialect formerly spoken in Nicaragua 238

On the Ikonomatic Method of Phonetic Writing, with special reference to American Archæology 503

The Conception of Love in some American Languages 546

COPE, E. D.

A Contribution to Vertebrate Palæontology of Brazil (*with plate*) 1

Catalogue of the Species of Batrachians and Reptiles contained in a collection made at Pebas, Upper Amazon, by John Hauxwell 94

Report on the Coal Deposits near Zacualtipan, in the State of Hidalgo, Mexico (*with two cuts*) 146

On the Structure of the Brain and Auditory Apparatus of a Theromorphous Reptile of the Permian Epoch (*with plate*) 234

On the Species of Iguaninæ 261

Thirteenth Contribution to the Herpetology of Tropical America 271

On Two New Species of Three-toed Horses from the Upper Miocene, with Notes on the Fauna of the Ticholeptus Beds 351

On the Structure and Affinities of the Amphiumidæ (*with two plates*) 442

An Analytical Table of the Genera of Snakes 479

Synonymic List of the North American Species of Bufo and Rana, with descriptions of some new species of Batrachia, from specimens in the National Museum 514

DUDLEY, THOS. H.

Is there Reciprocity in Trade and the Consumption of Manufactured Commodities? 526

DUGÉS, ALFREDO.

Sur le Rhinocheilus Antonii 290

FRAZER, PERSIFOR.

Résumé of the Work of the International Geological Congress, held at Berlin, Sept. 28 to Oct. 3, 1885 259

Sketch of the Geology of York County, Pennsylvania (*with a map*) 391

Composite Photography applied to Handwriting (*with a plate*) 433

GATSCHET, A. S. *Page.*
The Beothuk Indians. Second Article 411

GENTH, F. A.
Contributions from the Laboratory of the University of Pennsylvania. No. XXIV. Contributions to Mineralogy 30

HOFFMAN, W. J.
Remarks on Indian Tribal Names 294
Vocabulary of the Selish Language 367

HOUSTON, EDWIN J.
Photography by a Lightning Flash 257

KRAUSS, FRIEDERICH S.
Aus Bosnien und der Hercegovina 87

LESLEY, J. P.
An Obituary Notice of James Macfarlane 287
On the Hebrew Word ShDI (Shaddai), translated "The Almighty" 303

LILLEY, A. T.
A Revision of the Section of Chemung Rock exposed in the Gulf Brook Gorge at LeRoy, in Bradford County, Pennsylvania 291

MEINERT, FR.
Myriapoda Musei Cantabrigensis, Mass. Part I. Chilopoda 161

OLIVER, CHARLES A.
Subjective After-Color (Complementary Color) 500

PACKARD, A. S.
Discovery of the Thoracic Feet in a Carboniferous Phyllocaridan (*with plate*) . . 380

PHILLIPS, HENRY, JR.
List of Officers 323

ROTHROCK, J. T.
Biographical Memoir of the late Hon. Eli K. Price, LL.D 572

RUSCHENBERGER, W. S. W.
A Sketch of the Life of Robert E. Rogers, M.D., LL.D., with Biographical Notices of his Father and Brothers 104

SELLERS, WILLIAM.
An Obituary Notice of the late George Whitney 388

STOKES, ALFRED C.
Some new Hypotrichous Infusoria (*with plate*) 21
Notices of Fresh-Water Infusoria 562

STOWELL, T. B.
The Trigeminus Nerve in the Domestic Cat (*Felis domestica*) (*with plate*) 459

WYCKOFF, A. B.
The Use of Oil in Storms at Sea 383

Verbal Communications.

ALLEN, HARRISON.
On the Chlamyphorus truncatus 330
On the result of experiments on Electric Light used in photographing animals in motion 326

ASHBURNER, CHARLES A. *Page.*
On the storm of January 8, 1886 330
On the structural geological features attending the occurrence of natural gas . 450

HORN, GEORGE H.
On the process used by the Piutes for sweetening acorn meal 447

HOUSTON, EDWIN W.
On the origin of earthquakes 160
On photography by lightning 318

WYCKOFF, A. B.
On the action of heavy oils in reducing heavy waves 447

Miscellaneous Business.

Bonaparte, Joseph, chair of, presented 447
Committees, Standing, appointed 329
Committee on Publication reports 315, 326
On Finance reports 318, 324
On the Works of Villa Nova 319
On the Condition, etc., of the Society 332, 333
Reports, and its report is referred to Council 336
Council recommends the indefinite postponement of said report and its suggestions . 456
Recommendation of the, accepted 156
Deposit for the Library 156
Exchanges ordered 156, 314, 315, 325, 334, 335, 447, 449, 455, 456, 540, 543
Discontinued 570
Franklin, Benjamin, diplomas of, exhibited 448
Franklin, William Temple, correspondence of, ordered to be bound 540
Germanium, discovery of 447
Laws, changes in, proposed 320
Adopted 322
To be printed 324
Librarian nominated 326
Elected 329
List of members prepared by Secretary Phillips presented and ordered to be printed . 336
Medals presented by Mr. Wm. Morris Davis 158
Members, decease of 156, 159, 314, 317, 322, 325, 329, 447, 452, 544, 570
Take their seats 160, 313, 315, 319, 321, 334, 335, 446, 451, 456, 544
Nominations of, read 156, 160, 315, 318, 320, 322, 326, 332, 336, 448, 451, 452, 454
Election of 160, 334, 456, 457
Michaux's diary allowed to be copied for Messrs. Gray and Sergeant 317
Legacy paid 315, 334, 456
Minutes of the Board of Officers and Council submitted 318, 456 612
Officers elected 325
Photographs received from members 449, 452
Society thanks the Royal Society for its gift of the Catalog of Scientific Publications . 449
Mr. McClure Hamilton for the gift of the chair of Joseph Bonaparte 447
Treasurer, report of 320
Treasurer of the Building Fund reports 336
Wistar Association, minute book of 320
Young Men's Library, of Buffalo, reports a change of name 455